



2-2-04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Tuttle, et al.

Application No. 10/696,459

Filed: 10/29/2003

For:

Tibial Knee Prosthesis

To: Assistant Commissioner for Patents
Washington, D.C. 20231

) Art Unit:

) Our Ref.: 702.132

) Examiner:

) I hereby certify that this correspondence is being:

[x] deposited with the United States Postal Service as
express mail in an envelope addressed to:
Commissioner of Patents and Trademarks,
Washington, D.C. 20231

[] facsimile transmitted to the Patent and Trademark
Office - _____; Attn.: _____

[] hand delivered to the Patent and Trademark Office

on this 30th day of January, 2004

By: Patricia C. Powell
Patricia C. Powell

INFORMATION DISCLOSURE STATEMENT

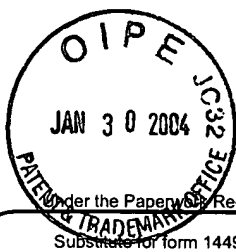
The Examiner is requested to consider the documents contained in the attached Information Disclosure Statement during the examination of the above-identified patent application.

Respectfully submitted,

Dated: 1/30/04

Steven M. Reiss

Steven M. Reiss
Reg. No. 37,519
Wright Medical Technology, Inc.
5677 Airline Road
Arlington, Tennessee 38002-9501
(901) 867-4314



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 6

Complete if Known

Application Number	10/696,459
Filing Date	10/29/03
First Named Inventor	Tuttle, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	702.132

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6165223	12-26-00	Metzger, et al	
		US- 6210444	04-03-01	Webster, et al.	
		US- 6210445	04-03-01	Zawadzki	
		US- 6217618	04-17-01	Hileman	
		US- 6319283	11-20-01	Insall, et al.	
		US- 6379388	04-30-02	Ensign, et al.	
		US- 6458160	10-01-02	Biegun, et al.	
		US- 6344059	02-05-02	Krakovits, et al.	
		US- 6475241	11-05-02	Pappas	
		US- 6485519	11-26-02	Meyers, et al.	
		US- 2001/0034555A1	10-25-01	Pappas	
		US- 2002/0103541A1	08-01-02	Meyers, et al.	
		US- 2002/0107576A1	08-08-02	Meyers, et al.	
		US- 2002/0156535A1	10-24-02	Pappas	
		US- 2003/0009229A1	01-09-03	Pappas	
		US- 2003/009230A1	01-09-03	Gundlapalli, et al.	
		US- 2003/0055501A1	03-20-03	Fell, et al.	
		US- 2003/0060882A1	03-27-03	Fell, et al.	
		US- 2003.0060884A1	03-27-03	Fell, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP0420460B1	11-30-94	May, et al.		
		EP0522822B1	12-13-95	Evans, et al.		
		EP0634155B1	10-17-01	Walker		
		EP0732092B1	02-13-02	Colleran, et al		
		EP0809987B1	10-09-02	Ashby, et al.		
		EP0913134B1	03-26-03	Timoteo		

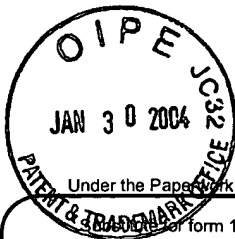
Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 6

Complete if Known

Application Number	10/696,459
Filing Date	10/29/03
First Named Inventor	Tuttle, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	702.132

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4759767	07-26-88	Lacey	
		US- 5071438	12-10-91	Jones, et al.	
		US- 5116375	05-26-92	Hofman	
		US- 5203807	04-20-93	Evans, et al.	
		US- 5236461	08-17-93	Forte	
		US- 5370699	12-06-94	Hood et al.	
		US- 5609639	03-11-97	Walker	
		US- 5824102	10-20-98	Buscayret	
		US- 5871543	02-16-99	Hofman	
		US- 5871546	02-16-99	Colleran, et al.	
		US- 5879394	03-09-99	Ashby et al.	
		US- 5935173	08-10-99-	Roger et al.	
		US- 5964808	10-12-99	Blaha et al.	
		US- 6004351	12-21-99	Tomita et al.	
		US- 6013103	01-11-00	Kaufman, et al.	
		US- 6039764	03-21-00	Pottenger, et al.	
		US- 6053945	04-25-00	O'Neil, et al.	
		US- 6068658	05-30-00	Insall, et al.	
		US- 6139581	10-31-00	Engh, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO89/06947A1	08-10-89	Forte, et al.		
		WO94/05212A1	03-17-94	McNulty, et al.		
		WO98/02116A1	01-22-98	Blaha, et al.		
		WO97/30664A1	08-28-97	Hofman		
		WO98/20818A1	05-22-98	Banon, et al.		
		EP0400045B1	05-03-95	Forte		

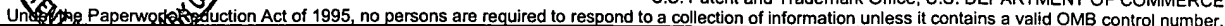
Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet 3

of	6
----	---

Application Number	10/696.459
--------------------	------------

Filing Date	10/29/03
-------------	----------

First Named Inventor	Tuttle, et al.
----------------------	----------------

Art Unit

Examiner Name

Attorney Docket Number	702.132
------------------------	---------

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP0970667A1	01-12-00	Colleran, et al		
		EP1018322A1	07-12-00	Reigner, et al.		
		EP1023881A2	08-02-00	O'Neil, et al.		

Examiner
Signature

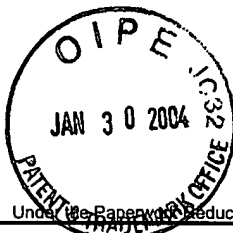
Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/696,459
Filing Date	10/29/03
First Named Inventor	Tuttle, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	702.132

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NOZAKI, ET AL., Observations of Femoral Rollback in Cruciate-Retaining Knee Arthroplasty, Clin. Orthop. Rel. Res., 404:308-314 (2002).	
		WHITESIDE, ET AL., Functional Medial Ligament Balancing in Total Knee Arthroplasty, Clin. Orthop. Rel. Res., 380:45-57 (2000).	
		PAGNANO, ET AL., Flexion Instability After Primary Posterior Cruciate Retaining Total Knee Arthroplasty, Clin. Orthop. Rel. Res., 356: 39-46 (1998).	
		SOUDRY, ET AL., Effects of Total Knee Replacement Design on Femoral-Tibial Contact Conditions, J. Arthroplasty, 1:35-45 (1986).	
		PIAZZA, ET AL., Posterior Tilting of the Tibial Component Decreases Femoral Rollback..., J. Orthop. Res., 16:264-270 (1998).	
		MATSUDA, ET AL., Knee Stability in Posterior Cruciate Ligament Retaining Total Knee Arthroplasty, Clin. Orthop. Rel. Res., 366:169-173 (1999).	
		STIEHL, ET AL., The Cruciate Ligaments in Total Knee Arthroplasty, J. Arthroplasty, 15(5): 545-550 (2000).	
		BERGFELD, ET AL., The Effects of Tibial Rotation of Posterior Translation in Knees in Which the PCL Has Been Cut, J. Bone Joint Surg. 83-A:1339-43 (2001).	
		MIHALKO, ET AL., PCL Effects on the Flexion Space in Total Knee Arthroplasty, Clin. Orthop. Rel. Res., 360:243-250 (1999).	
		CHURCHILL, ET AL., The Influence of Femoral Rollback on Patellofemoral Contact Loads in Total Knee Arthroplasty, J. Arthroplasty, 16(7): 909-918 (2001).	

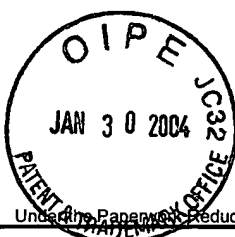
Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/696,459
Filing Date	10/29/03
First Named Inventor	Tuttle, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	702.132

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MATSUMOTO, ET AL., Axis Location of Tibial Rotation and Its Change With Flexion Angle, Clin. Orthop. Rel. Res., 371:178-182 (2000).	
		TODO, ET AL., Anteroposterior and Rotational Movement of Femur During Knee Flexion, Clin. Orthop. Rel. Res., 362:162-170 (1999).	
		DENNIS, ET AL., In Vivo Anteroposterior Femorotibial Translation of Total Knee Arthroplasty: A Multicenter Analysis, Clin. Orthop. Rel. Res., 356:47-57 (1998).	
		HIRSCH, ET AL., THE PCL in Total Knee Surgery, Clin. Orthop. Rel. Res., 309:64-68 (1994).	
		ANDRIACCHI, ET AL., The Influence of Total Knee-Replacement Design on Walking and Stair-Climbing, J. Bone Joint Surg. 64-A:1328-1335 (1982).	
		WALKER, An In Vivi Kinematic Determination of the F/S 1000 Medial Pivot Knee (1997).	
		STIEHL, ET AL., Fluoroscopic Analysis of Kinematics After Posterior Cruciate Retaining Knee Arthroplasty, J. Bone Joint Surg. 77-B:884-889 (1995).	
		KOCMOND, ET AL., Stability and Range of Motion of Insall-Burstein Condylar Prostheses, J. Arthroplasty, 10(3): 383-388 (1995).	
		BANKS, ET AL., In Vivo Kinematics of Cruciate Retaining and Substituting Knee Arthroplasties, J. Arthroplasty, 1(3): 297-304 (1997).	
		ELIAS, ET AL., A Correlative Study of the Geometry and Anatomy of the Distal Femur, Clin. Orthop. Rel. Res., 260:98-103 (1990).	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1-100-10

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/696,459
Filing Date	10/29/03
First Named Inventor	Tuttle, et al.
Art Unit	
Examiner Name	
Attorney Docket Number	702.132

Sheet	6	of	6
-------	---	----	---

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MANCINELLI, The Instantaneous Axis of Rotation of the Human Knee Joint, Dissertation to the West Virginia University (1994).	
		MAHONEY, ET AL., Posterior Cruciate Function Following Total Knee Arthroplast, J. Arthroplast, 9(6): 569-578 (1994).	
		SORGER, ET AL., The PCL in Total Knee Arthroplast, J. Arthroplast, 12(8): 869-879 (1997).	
		LI, ET AL., Cruciate-Retaining and Cruciate-Substituting Total Knee Arthroplast, J. Arthroplast, 16(8) Suppl 1: 150-156 (2001).	
		BERTIN, ET AL., In Vivo Determination of Posterior Femoral Rollback, J. Arthroplast, 17(8): 1040-1048 (2002).	
		MOST, ET AL., Femoral Rollback After Cruciate-Retaining and Stabilizing Total Knee Arthroplast, Clin. Orthop. Rel. Res., 410:101-113 (2003).	
		TAKATSU, ET AL., The Function of Posterior Tilt of the Tibial Component..., Bull. Hosp. Joint Dis., 57(4): 195-201 (1998).	
		KIM, ET AL., Rollback in PCL-Retaining TKA, J. Arthroplast, 12(5): 553-561 (1997).	
		BELLEMANS, ET AL., Fluoroscopic Analysis of the Kinematics of Deep Flexion in TKA, J. Bone Joint Surg., 84-B:50-53 (2002)	
		BLAHA, ET AL., Kinematics of the Human Knee Using an Open Chain Cadaver Model, Clin. Orthop. Rel. Res., 410:25-34 (2003).	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.